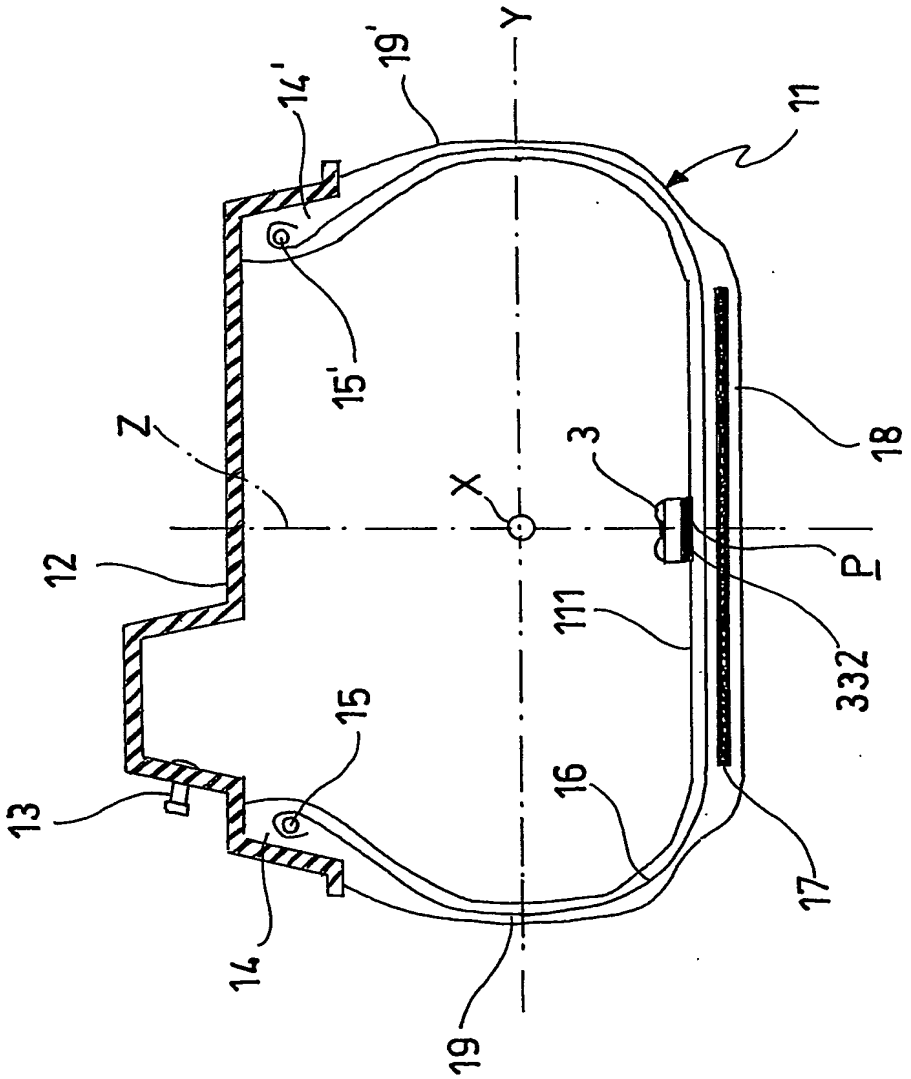

FIG.1

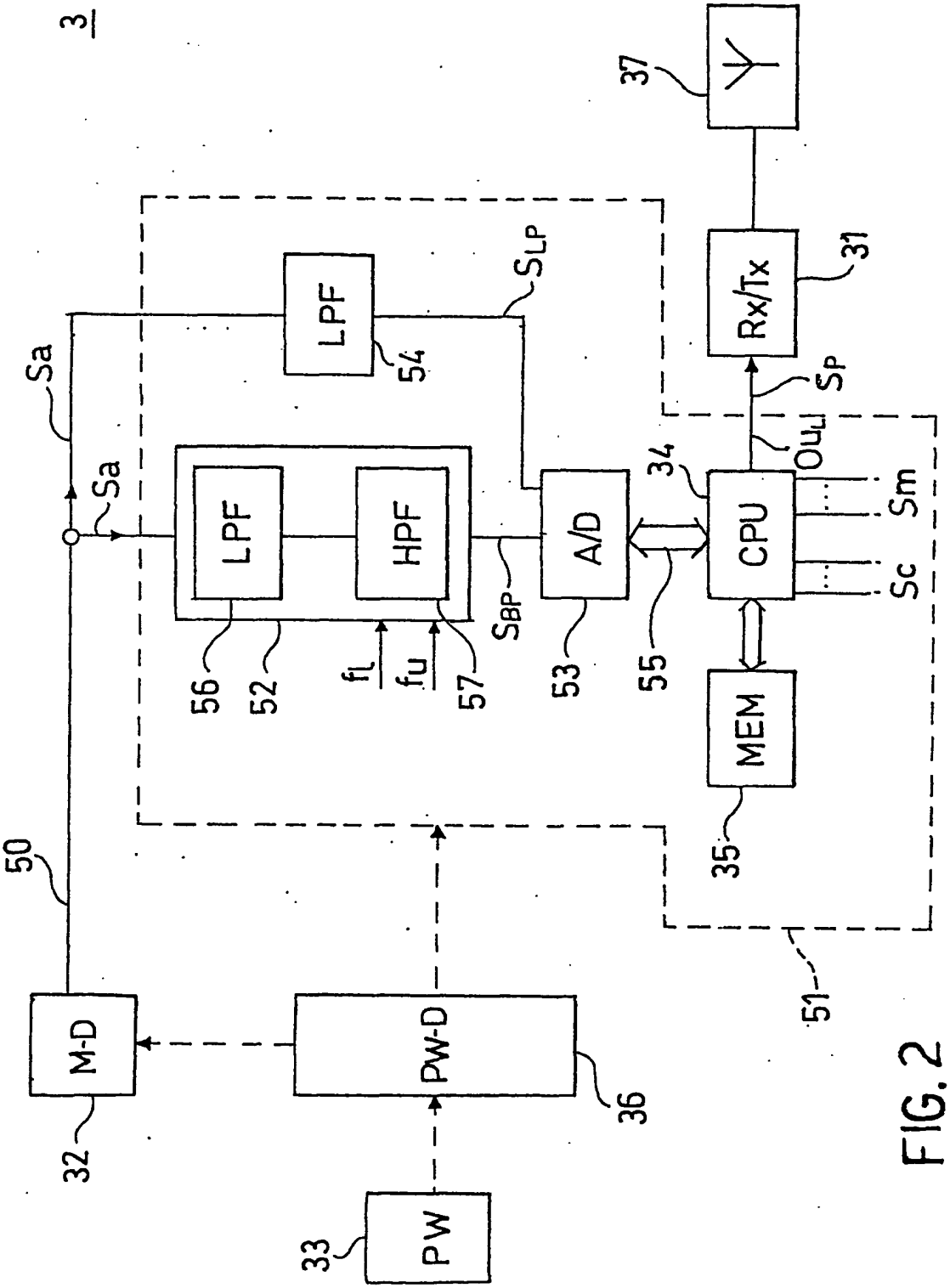
3
37
Rx/Tx
31
LPF
54
SLP
Sa
Sa
LPF
HPF
SBP
A/D
34
CPU
OuLI
SP
Sm
Sc
56
52
fl
fu
57
53
55
MEM
35
50
M-D
PW-D
36
32
PW
33
51

FIG. 2

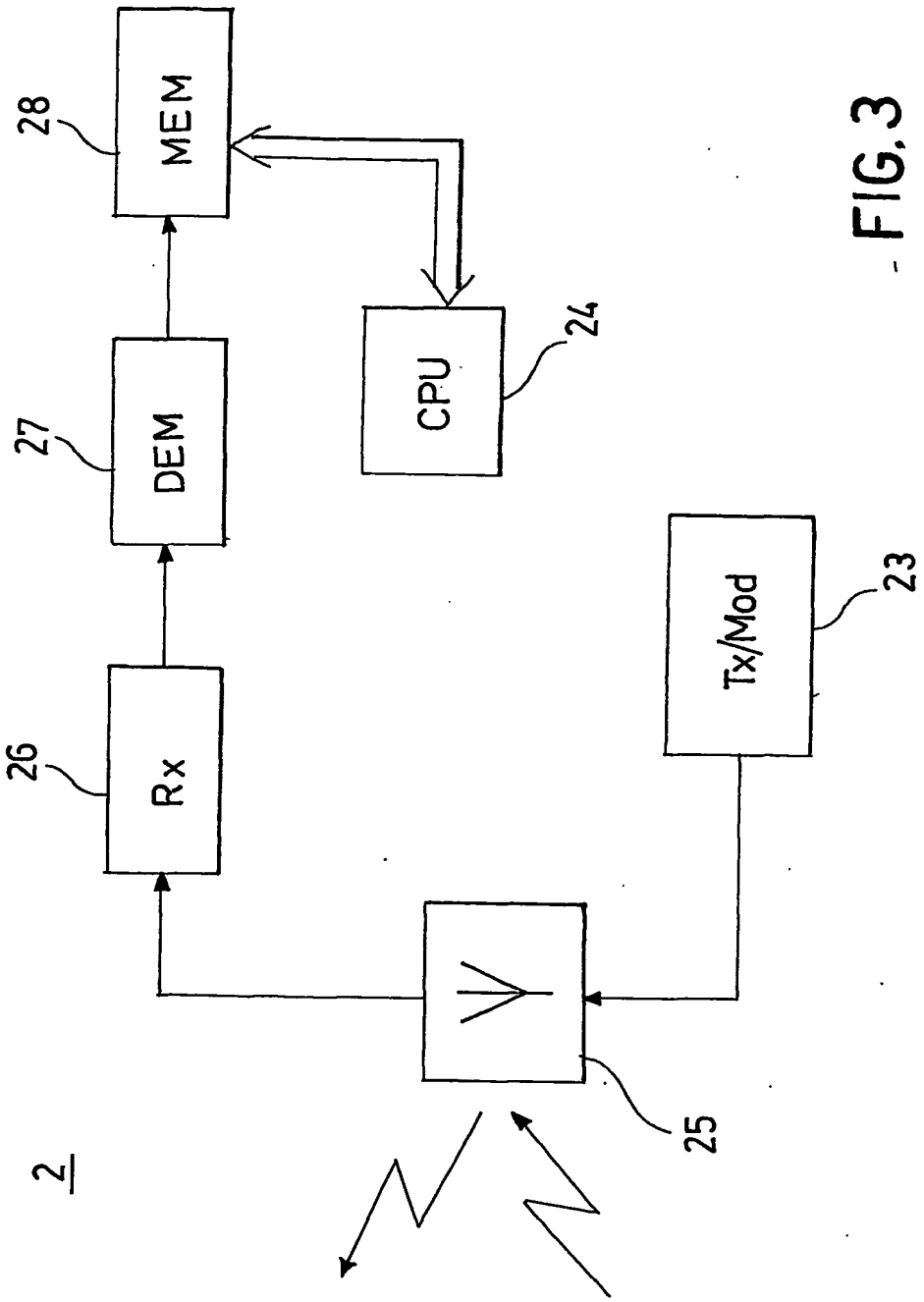

FIG. 3

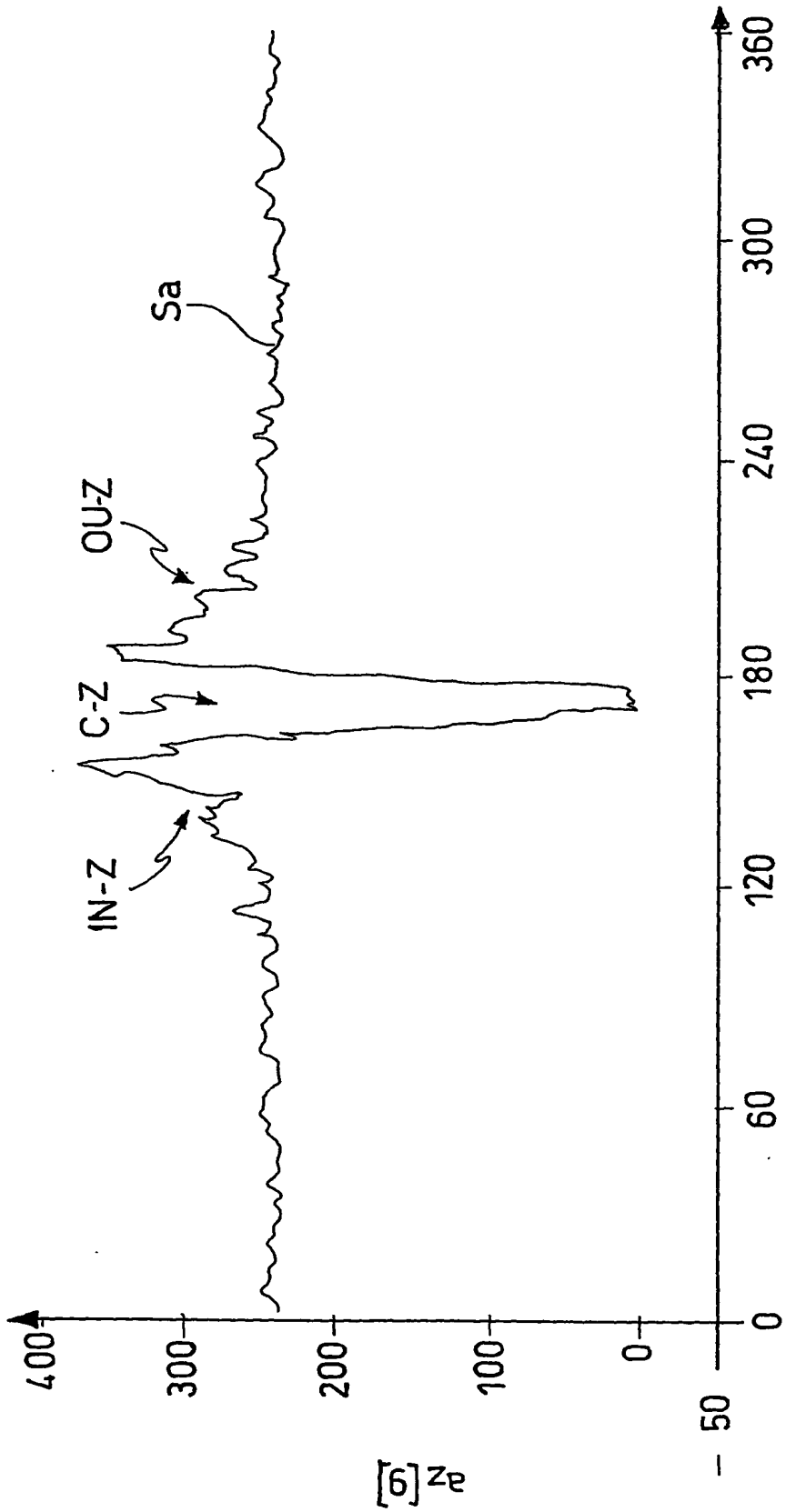

FIG. 4

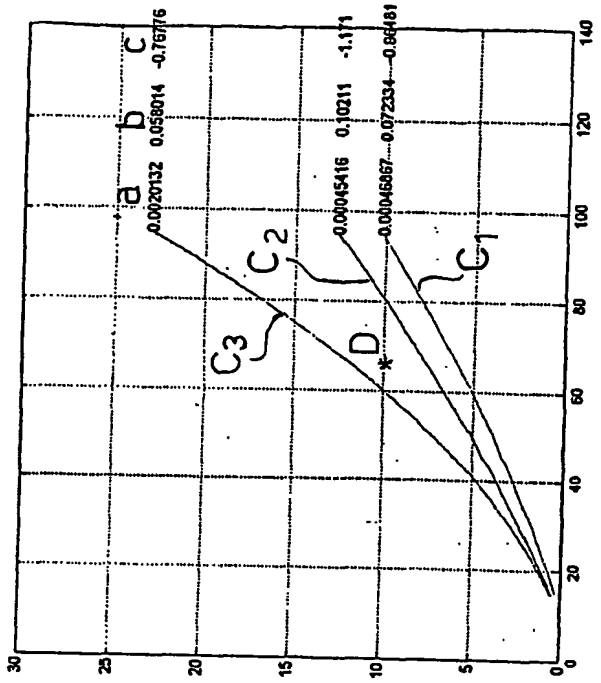
a
b
c
0.0020132
0.058014
-0.76776
0.00045416
0.10211
-1.171
-0.00046967
-0.072334
-0.86481
C1
C2
C3
D
0
5
10
15
20
25
30
0
20
40
60
80
100
120
140
$\overline{OL}_j(K)$
ω_P

FIG.6

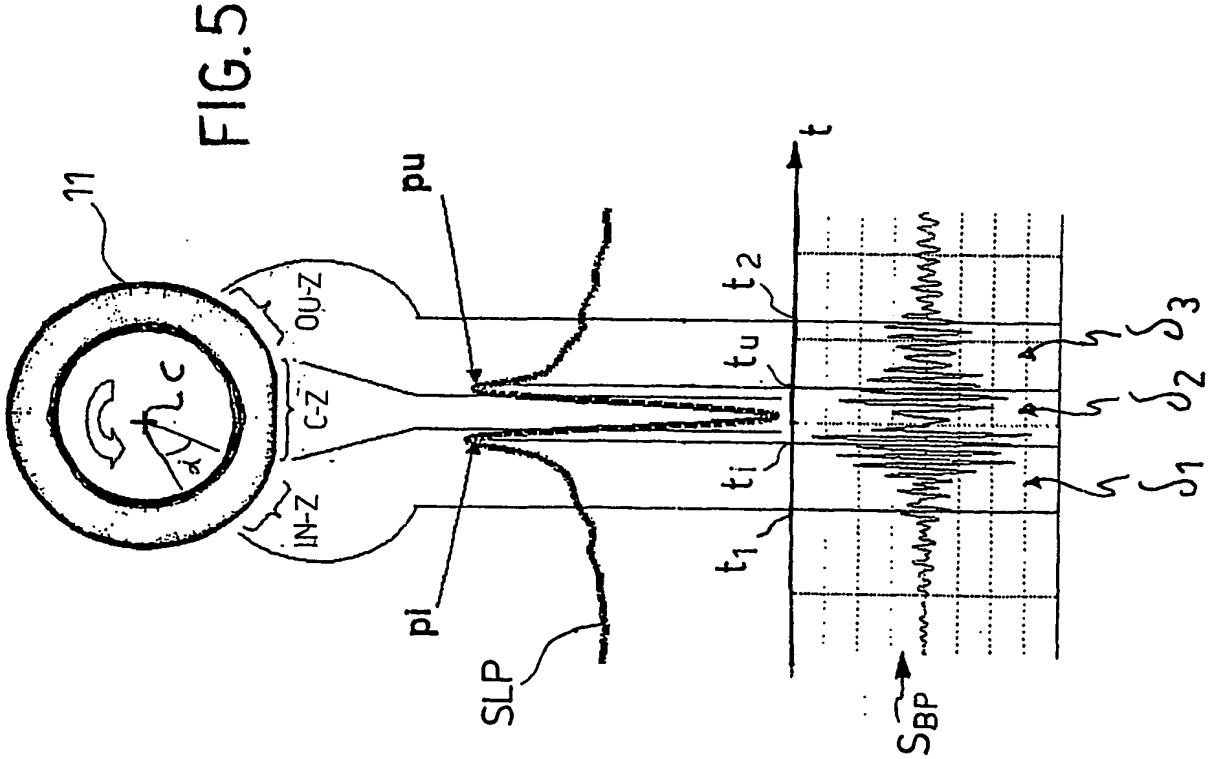
11
pu
pi
SLP
OU-Z
C-Z
IN-Z
t
t1
ti
tu
t2
S_{BP}
δ_1
δ_2
δ_3

FIG.5

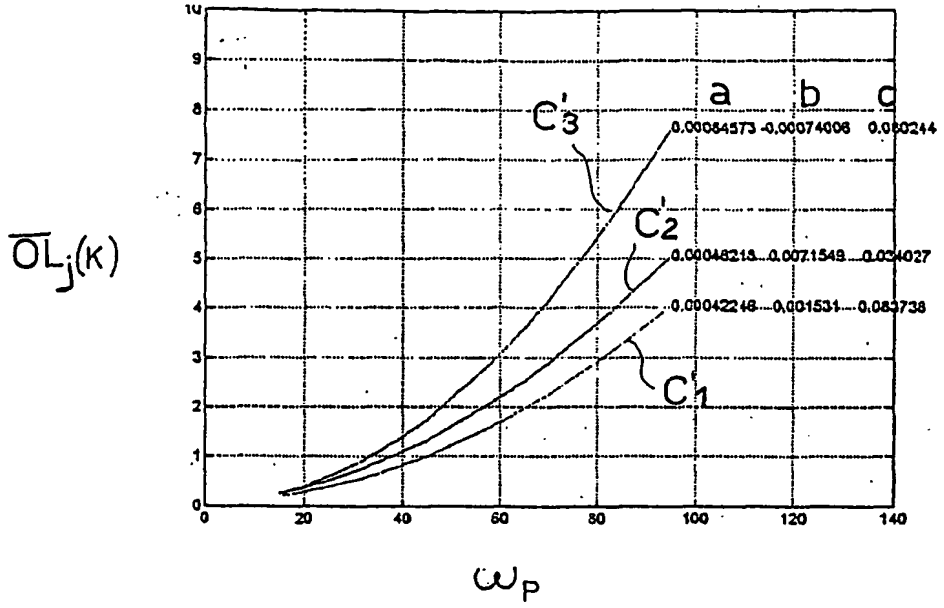
$\overline{OL}_j(K)$
a b c
C'_3
C'_2
C'_1
0.00084573 -0.00074006 0.000244
0.00048213 -0.0071548 -0.034027
0.00042248 -0.001531 -0.083738
ω_P

FIG. 7

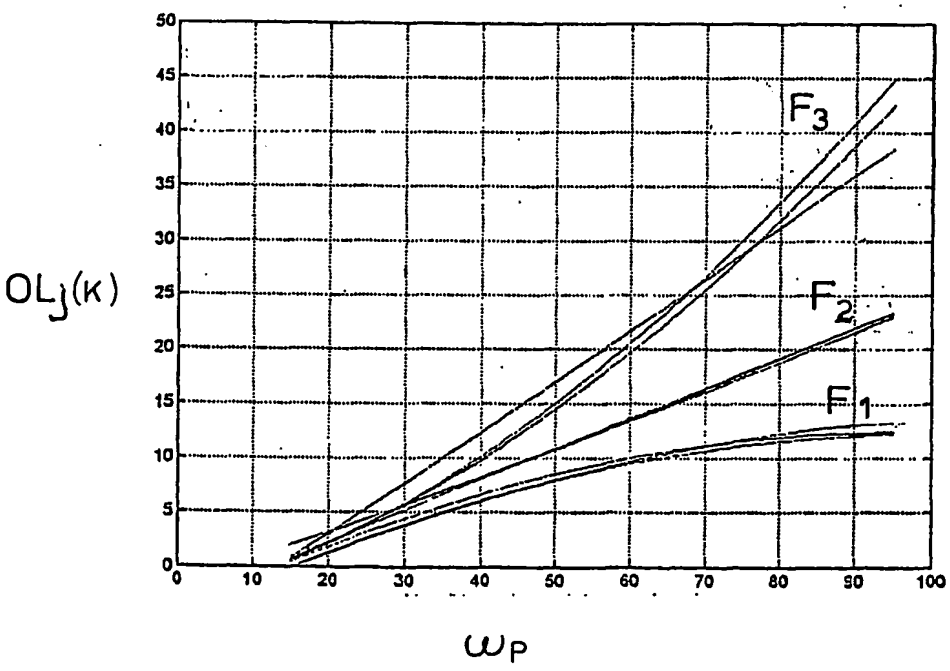
$OL_j(K)$
F_3
F_2
F_1
ω_P

FIG.8